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adequate thoroughness. The test of such methods by time, in the American engineering schools, is not yet complete. Indeed the last steps are quite young in our practise; but they stand high by *a priori* tests, and the few years' trial thus far made indicates an ideal result from the interassociation in the same laboratory of the undergraduate laboratory instruction by problems and the postgraduate laboratory research.

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THE JOSEPH A. HOLMES SAFETY ASSOCIATION

MENTION has already been made in the columns of SCIENCE of the movement to start a memorial to the late Dr. Joseph A. Holmes and an account of the preliminary meeting of representatives of different national associations was given in the same article.¹

The first meeting of the permanent association was held in the U. S. Bureau of Mines, Washington, on March 4 last. The following organizations were represented:

American Institute of Mining Engineers, Hennen Jennings.

American Mining Congress, Dr. David T. Day.

American Federation of Labor, A. E. Holder.

Mining and Metallurgical Society, Dr. George Otis Smith.

American Society of Mechanical Engineers, General W. H. Bixby.

American Institute of Electrical Engineers, John H. Finney.

American Electro-Chemical Society, Dr. F. G. Cottrell.

American Association for the Advancement of Science, Dr. L. O. Howard.

American Chemical Society, S. S. Voorhees.

Geological Society of America, Dr. Joseph Hyde Pratt.

National Academy of Sciences, Dr. David White.

American Red Cross Society, Dr. Robert U. Patterson.

Western Federation of Miners, Joseph D. Cannon.
Mine Inspectors Institute, J. W. Paul.

¹ See SCIENCE, Vol. XLIII., No. 1101, February 4, 1916, pp. 164-165.

Society for the Promotion of Engineering Education, Professor O. P. Hood (vice Professor Wadsworth).

Letters of regret were received from the following:

United Mine Workers of America, William Green.

National Safety Council, H. M. Wilson.

American Forestry Association, P. Risdale.

American Society of Testing Materials, A. W. Gibbs.

The permanent organization was effected under the name of the Joseph A. Holmes Safety Association and the following officers were elected:

President, the Chief of the U. S. Bureau of Mines (Mr. Manning).

First Vice-president, the Secretary of the Smithsonian Institution (Dr. Walcott).

Second Vice-president, the President of the American Federation of Labor (Mr. Gompers).

The members of the executive committee to serve with the other officers were elected as follows:

Mr. Hennen Jennings, representing the American Institute of Mining Engineers.

Dr. John A. Brashear, of Pittsburgh.

The present functions of the association were formulated as follows:

1. That annually the association shall make one or more awards with honorariums to be known as "The Holmes Award" for the encouragement of those originating, developing and installing the most efficient safety devices, appliances or methods, in the mining, quarrying, metallurgical and mineral industries during the previous year, these awards to be the result of reports and investigations made by the secretary and the representatives of the association.

2. From time to time the association shall also make suitable awards for personal heroism or distinguished service or the saving of life in any branch of the mining, quarrying, metallurgical and mineral industries.

3. Once a year a meeting of the association shall be held in the city of Washington at which all awards will be publicly announced.

CONVOCATION WEEK MEETING AND THE AMERICAN CHEMICAL SOCIETY

THE council of the American Chemical Society has by a vote of 61 to 31 declined to